20 by glue instead, so as to fix a relative position of the first display section 24 and the cover portion 20.

More detailed description for operation of the electronic device 10 is provided as follows. Please refer to FIG. 1 and FIG. 2. FIG. 2 is a sectional diagram of the electronic device 10 in FIG. 1 when being in an expanded state. As shown in FIG. 1, as the flexible display panel 14 is folded up in the containing space 22, the electronic device 10 not only takes a foldable design of the main body 12 to protect the flexible display panel 14, but also has a smaller volume for the user to carry conveniently. If the user wants to use the flexible display panel 14 folded up inside the containing space 22 for watching a displayed content, the user can open the cover portion 20 to rotate relative to the connecting portion 18 and the body portion 16, so that the main body 12 can be changed from a folded state in FIG. 1 to an expanded state in FIG. 2. During the said rotating process, because the first display section 24 is fixed to the cover portion 20 and the second display section 26 is slidably disposed on the body portion 16, the first display section 24 can be moved from a position in FIG. 1 to a position in FIG. 2 with rotary of the cover portion 20, and the second display section 26 can be pulled by the first display section 24 from a position in FIG. 1 to a position in FIG. 2. Accordingly, the electronic device 10 is in the expanded state for the user to operate.

In such a manner, the electronic device 10 not only provides an operating sense of opening books, but also provides a bottom of the flexible display panel 14 with a fully planar support by the body portion 16, connecting portion 18 and the cover portion 20 when the flexible display panel 14 is in the expanded state. Accordingly, the user can operate the flexible display panel 14 (such as a touch by a touch pen) without concerning damage of the flexible display panel 14 due to a large force applied by the user or no support from the bottom of the flexible display panel 14.

On the other hand, as the user wants to fold up the electronic device 10, the user just needs to pull the cover portion 20 to rotate relative to the connecting portion 18 and the body portion 16, such that the main body 12 can recover from the expanded state in FIG. 2 to the folded state in FIG. 1. During the said rotating process, the first display section 24 will be folded from a position in FIG. 2 to a position in FIG. 1 with rotary of the cover portion 20. In such a manner, the electronic device 10 not only protects the flexile display panel 14 by the foldable design of the main body 12, but also enhances portability due to a smaller volume in the folded state.

Please refer to FIG. 3, which is a sectional diagram of an electronic device 50 according to a second embodiment of the present invention. Components both mentioned in the second embodiment and the first embodiment represent components with similar functions or structures, and the related description is therefore omitted herein. The major difference between the electronic device 50 in the second embodiment and the electronic device 10 in the first embodiment is the structural design of the supporting structure. As shown in FIG. 3, the electronic device 50 includes the main body 12, the flexible display panel 14 and a supporting structure 52. The supporting structure 52 is disposed between the main body 12 and the flexible display panel 14. The supporting structure 52 is used for providing supporting force to the flexible display panel 14 when the cover portion 20 is rotated to the same horizontal surface where the connecting portion 18 and the body portion 16 are located. The supporting structure 52 includes a first supporting layer 54, a second supporting layer 56 and a third supporting layer 58. The first supporting layer 54 is disposed between the cover portion 20 and the first display section 24 and is used for providing supporting force to the first display section 24. The second supporting layer 56 is disposed between the second display section 26 and the main body 16, and is used for providing supporting force to the second display section 26. The third supporting layer 58 is attached to the connecting portion 18. The third supporting layer 58 is used for abutting against the first supporting layer 54 and the second supporting layer 56 when the cover portion 20 is rotated to the same horizontal surface where the connecting portion 18 and the body portion 16 are located, so as to support the first display section 24 and the second display section 26 cooperatively with the first supporting layer 54 and the second supporting layer 56.

More detailed description for operation of the electronic device 50 is provided as follows. Please refer to FIG. 3 and FIG. 4. FIG. 4 is a sectional diagram of the electronic device 50 in FIG. 3 when being in an expanded state. As shown in FIG. 3, if the user wants to use the flexible display panel 14 for watching a displayed content, the user can open the cover portion 20 to rotate relative to the connecting portion 18 and the body portion 16, so that the main body 12 can be changed from a folded state in FIG. 3 to an expanded state in FIG. 4. During the said rotating process, the first supporting layer 54, the second supporting layer 56 and the third supporting layer 58 can be rotated with the cover portion 20 from a relatively folded state in FIG. 3 to a mutually abutting state in FIG. 4. Thus, the electronic device 50 not only provides an operating sense of opening books by the said operation of rotating the cover portion 20, but also provides a bottom of the flexible display panel 14 with a fully planar support by the main body 12 and the supporting structure 52 when the flexible display panel 14 is horizontally expanded. Accordingly, damage of the flexible display panel 14 due to a large force applied by the user or no support from the bottom of the flexible display panel 14 can be avoided.

The pivotal connection between the connecting portion 18, the body portion 16 and the cover portion 20 is not limited to that in the aforementioned embodiment. For example, please refer to FIG. 5 and FIG. 6. FIG. 5 is a sectional diagram of the electronic device 100 according to a third embodiment of the present invention. FIG. 6 is a sectional diagram of the electronic device 100 in FIG. 5 when being in an expanded state. Components both mentioned in the third embodiment and the second embodiment represent components with similar functions or structures, and the related description is therefore omitted herein. The main difference between the electronic device 100 in the third embodiment and the electronic device 50 in the second embodiment is the pivotal design of the main body and omission of the third supporting layer. As shown in FIG. 5, the electronic device 100 includes a main body 102, the flexible display panel 14 and a supporting structure 104. The main body 102 includes a body portion 106, a connecting portion 108 and a cover portion 110. The connecting portion 108 is pivotally connected to the body portion 106 and the cover portion 110 respectively by pivot shafts 112, 114 in FIG. 5 to make the cover portion 110 capable of rotating relative to the body portion 106. Thus, the electronic device 100 can be used as a planar electronic reading device when being in an expanded state or be in a folded state for the user to carry conveniently. The supporting structure 104 is disposed between the main body 102 and the flexible display panel 14. The supporting structure 104 includes a first supporting layer 116 and a second supporting layer 118. The first supporting layer 116 is disposed between the cover portion 110 and the first display section 24, and the second supporting layer 118 is disposed between the second display section 26 and the body portion 106. The first supporting layer 116 and the second supporting layer 118 are used for providing the